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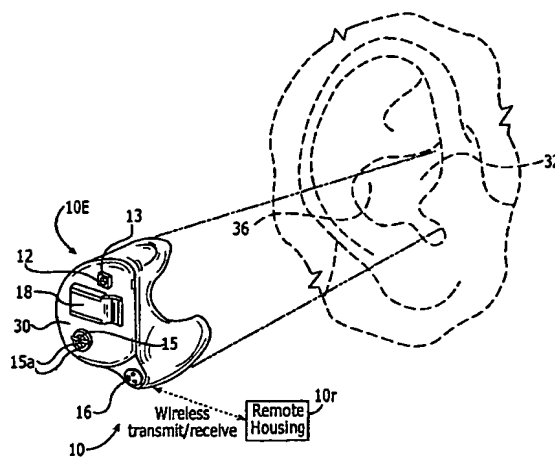
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(54) Title: FREQUENCY ALTERED FEEDBACK FOR TREATING NON-STUTTERING PATHOLOGIES



(57) Abstract: A device (10) and method for treating subjects having non-stuttering pathologies or disorders using frequency altered feedback including positioning a ear-supported device (10E) for receiving auditory signals associated with a subject's speech in close proximity to at least one ear of an individual, the device (10) being adapted to be in communication with at least one of the ear canals of the individual, receiving at the device (10) an audio signal associated with the subject's speech; generating from the device (10) a frequency altered auditory feedback signal having an associated frequency shift between about  $\pm 2$  octaves relative to the received audio signal; and transmitting the frequency altered auditory feedback signal to at least one ear canal of the subject.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30834

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61 F 5/58; G10L 9/00

US CL : 600/23

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 600/23, 24, 27, 28; 128/846,864-868; 381/43; 395/2.79,2.8; 434/185,186; 704/271,275,219

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,794,203 A (KEHOE) 11 August 1998 (11.08.1998), See entire document.	1, 2, 5-23, 47-68
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Y		3, 4, 24-44, 47-68
A	US 5,940,798 A (HOUBE) 17 August 1999 (17.08.1999), See entire document.	1-68
A	US 5,765,134 A (KEHOE) 09 June 1998 (09.06.1998), See entire document.	1-68
Y	US 5,961,443 A (RASTATTER ET AL) 05 October 1999 (05.10.1999), See entire document.	3, 4, 24-44, 47-68

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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